ABSTRACT

A universal compressor device includes a cylinder formed in a shell, a shaft rotatably and slidably received in the cylinder, three or more pistons slidably received in the cylinder to alternatively actuate the shaft to move axially relative to the cylinder, and two valve plates disposed on ends of the cylinder to control fluid flowing passage. One cover and one cap are selectively secured to the ends of the cylinder, to enclose and retain the elements within the cylinder of the shell, and for attaching to one vehicle. One or more other covers and caps may further be selectively secured to the cylinder of the shell, for attaching the universal compressor device to the other vehicles.